

NEURONAL NICOTINIC ACETYLCHOLINE RECEPTOR COMPOSITIONS

ABSTRACT

The present invention relates to a family of neuronal nicotinic acetylcholine receptors comprised of neuronal agonist and non-agonist binding subunits, and DNA sequences encoding such subunits. These novel neuronal nicotinic acetylcholine receptor subunits include the agonist binding subunits alpha2, alpha3, alpha4, and alpha5, plus non-agonist binding subunits beta2, beta3 and beta4. Representative cDNA clones that contain the DNA sequences of the invention have been deposited with the American Type Culture Collection for patent purposes.